

|               |  |               |  |
|---------------|--|---------------|--|
| Job Name:     |  | Location:     |  |
| Purchaser:    |  | Submitted By: |  |
| Submitted To: |  | Engineer:     |  |
| Date:         |  | Application:  |  |

☐ Reference
 ☐ Approval
 ☐ Construction



Basic product info.

|                  |              |  |
|------------------|--------------|--|
| IDU Model Number | MLZ-KX09NL   |  |
| ODU Model Number | SUZ-AA09NLHZ |  |
| AHRI Certificate | 215734908    |  |

Performance: Cooling at 95F (35C)

|                                                        |      |  |
|--------------------------------------------------------|------|--|
| Cooling 95F Maximum Capacity                           | 9000 |  |
| Cooling 95F Rated Capacity                             | 9000 |  |
| Cooling 95F Minimum Capacity                           | 2200 |  |
| Cooling Maximum Power Input                            | 730  |  |
| Cooling Rated Power Input                              | 730  |  |
| Cooling Minimum Power Input                            | 380  |  |
| Sensible Heat Factor at AHRI Cooling Rating Conditions | 0.81 |  |

Performance: Heating at 47F (8.3C)

|                                 |       |  |
|---------------------------------|-------|--|
| Heating 47F Maximum Capacity    | 14500 |  |
| Heating 47F Rated Capacity      | 11400 |  |
| Heating 47F Minimum Capacity    | 7900  |  |
| Heating 47F Maximum Power Input | 1310  |  |
| Heating 47F Rated Power Input   | 1030  |  |
| Heating 47F Minimum Power Input | 480   |  |
| COP 47F at Rated Condition      | 3.4   |  |

Performance: Heating at 17F (-8.3C)

|                                 |       |  |
|---------------------------------|-------|--|
| Heating 17F Maximum Capacity    | 11400 |  |
| Heating 17F Rated Capacity      | 7000  |  |
| Heating 17F Minimum Capacity    | 3700  |  |
| Heating 17F Maximum Power Input | 1410  |  |
| Heating 17F Rated Power Input   | 930   |  |
| Heating 17F Minimum Power Input | 630   |  |
| COP 17F at Maximum capacity     | 2.4   |  |
| COP 17F at Rated Condition      | 2.3   |  |

Performance: Heating at 5F (-15C)

|                                         |       |  |
|-----------------------------------------|-------|--|
| Heating 5F Maximum Capacity (H4Full)    | 11400 |  |
| Heating 5F Minimum Capacity (H4Full)    | 2900  |  |
| Heating 5F Maximum Power Input (H4Full) | 1730  |  |
| Heating 5F Rated Power Input (H4Full)   | 580   |  |
| Heating 5F Minimum Power Input (H4Full) | 480   |  |
| COP 5F at Maximum capacity (H4Full)     | 2     |  |
| Heating 5F Rated Capacity (H4Full)      | 11400 |  |

Performance: Heating at -13F (-25C)

|                                  |      |  |
|----------------------------------|------|--|
| Heating -13F Maximum Capacity    | 6900 |  |
| Heating -13F Minimum Capacity    | 1700 |  |
| Heating -13F Maximum Power Input | 1280 |  |
| Heating -13F Minimum Power Input | 410  |  |
| COP -13F at Maximum Capacity     | 1.57 |  |

ODU Operating Temp. Range

|                                   |       |  |
|-----------------------------------|-------|--|
| Heating Thermal Re-start Temp (C) | -25   |  |
| Cooling Thermal Re-start Temp (C) | -16   |  |
| Cooling Thermal Lock-out Temp (C) | -18.5 |  |
| Heating Thermal Lock-out Temp (C) | -30   |  |
| Cooling Thermal Re-start Temp (F) | 3     |  |
| Cooling Thermal Lock-out Temp (F) | -1    |  |
| Heating Thermal Re-start Temp (F) | -14   |  |
| Heating Thermal Lock-out Temp (F) | -22   |  |

|                                        |     |  |
|----------------------------------------|-----|--|
| <b>Rebates</b>                         |     |  |
| NEEP Certification                     | YES |  |
| Energy Star 6.1 Certified              | YES |  |
| Energy Star 6.1 Cold Climate Certified | YES |  |

|                   |      |  |
|-------------------|------|--|
| <b>Efficiency</b> |      |  |
| SEER2             | 16.7 |  |
| EER2              | 12.3 |  |
| HSPF2 (IV)        | 9.7  |  |
| HSPF2(V)          | 8.1  |  |

|                                                                 |     |  |
|-----------------------------------------------------------------|-----|--|
| <b>Electrical</b>                                               |     |  |
| Recommended Fuse/Breaker Size of System (ODU)                   | 25  |  |
| ODU Minimum Circuit Ampacity (MCA)                              | 24  |  |
| Rated Voltage (Min)                                             | 208 |  |
| Rated Voltage (Max)                                             | 230 |  |
| Phase                                                           | 1   |  |
| Recommended Fuse/Breaker Size                                   | 25  |  |
| ODU Maximum Over Current Protection (MOCP) = MOP = Maximum Fuse | 41  |  |

|                                                |                    |  |
|------------------------------------------------|--------------------|--|
| <b>Indoor Unit</b>                             |                    |  |
| External Finish (Munsell No. in case painting) | 6.2PB 9/0.9        |  |
| Drain Pipe Size (Outer size)                   | 1                  |  |
| IDU Airflow Rate, Cooling (Dry) CFM            | 201, 254, 282, 311 |  |
| IDU Airflow Rate, Heating CFM                  | 212, 247, 290, 325 |  |
| IDU Unit Dimension W (inch)                    | 43 3/8             |  |
| IDU Unit Dimension D (inch)                    | 14 3/16            |  |
| IDU Unit Dimension H (inch)                    | 7 5/16             |  |

|                                                  |          |  |
|--------------------------------------------------|----------|--|
| <b>Outdoor Unit</b>                              |          |  |
| Base Pan Heater installed (Built-in or Optional) | Built-in |  |
| ODU Unit Dimension H (inch)                      | 52 43/64 |  |
| ODU Unit Dimension W (inch)                      | 41       |  |
| ODU Unit Dimension D (inch)                      | 13 + 1   |  |
| ODU Unit Weight (lbs)                            | 115      |  |

|                                    |     |  |
|------------------------------------|-----|--|
| <b>Piping</b>                      |     |  |
| Liquid Pipe Size O.D. [Flared]     | 1/4 |  |
| Gas Pipe Size O.D. [Flared]        | 3/8 |  |
| Maximum Piping Length (ft)         | 100 |  |
| Maximum Piping Length (m)          | 30  |  |
| ODU Gas Pipe Size O.D. [Flared]    | 3/8 |  |
| ODU Liquid Pipe Size O.D. [Flared] | 1/4 |  |

|                                      |       |  |
|--------------------------------------|-------|--|
| <b>Refrigerant</b>                   |       |  |
| Refrigerant Type                     | R454B |  |
| Pre-charged Refrigerant Amount (ODU) | 3 lbs |  |

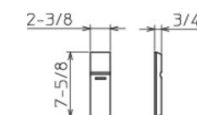
|                                       |                                                  |  |
|---------------------------------------|--------------------------------------------------|--|
| <b>Accessories</b>                    |                                                  |  |
| Remote Controller English             | MAC-FL117M-E                                     |  |
| Remote Controller French              | MAC-FL217M-E                                     |  |
| Simple Wall MA Controller             | PAC-YT53CRAU-J                                   |  |
| Deodorizing Filter                    | MAC-408FT-E                                      |  |
| Microparticle Catching Filter         | MAC-EMF515FT-E                                   |  |
| System Interface (Full Control)       | MAC-334IF-E                                      |  |
| System Interface (Functional Control) | MAC-497IF-E                                      |  |
| NA T-STAT Interface                   | RMF-CA200                                        |  |
| Grille                                | MLP-449WU                                        |  |
| Simple CN105 Controller               | PAC-SDW01RC-CA1                                  |  |
| Wi-Fi Adapter                         | PAC-USWHS002CN-1                                 |  |
| Wall Mount controller                 | PAR-42MAACAB (Requires system control interface) |  |

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) (\* Windscreens required for cooling operations below 23°F (-5°C))

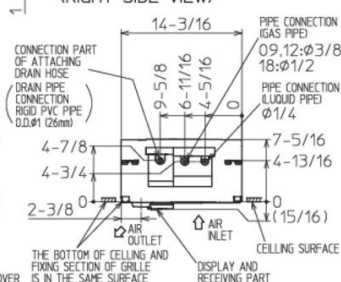
- <sup>1</sup> Cooling (Indoor // Outdoor) 80°F (26.6°C) DB, 67°F (19.4°C) WB // 95°F (35°C) DB, 75°F (23.9°C) WB
- <sup>2</sup> Heating at 47°F (8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 47°F (8.3°C) DB, 43°F (6.1°C) WB
- <sup>3</sup> Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 17°F (-8.3°C) DB, 15°F (-9.4°C) WB
- <sup>t</sup>Heating at 5°F (-15°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 5°F (-15°C) DB, 4°F (-15.6°C) WB
- <sup>u</sup>Heating at -4°F (-20°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // -4°F (-20°C) DB, -15°F (-26.1°C) WB

## Unit: inch

(TOP VIEW)

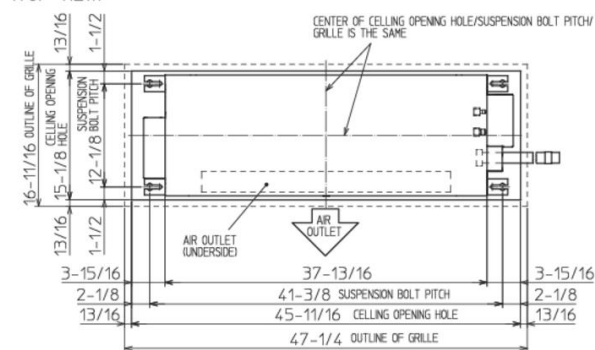


(RIGHT SIDE VIEW)



|                        |                     |                               |  |                           |                  |
|------------------------|---------------------|-------------------------------|--|---------------------------|------------------|
|                        |                     | KX09/12NL                     |  | KX18NL                    |                  |
| EXTENSION<br>PIPE      | LIQUID PIPE<br>O.D. | ø1/4                          |  |                           |                  |
|                        | GAS PIPE<br>O.D.    | ø3/8                          |  | ø1/2                      |                  |
| CONNECTIONS<br>OF PIPE | LIQUID PIPE         | FLARED CONNECTION<br>ø1/4     |  |                           |                  |
|                        | GAS PIPE            | FLARED CONNECTION<br>ø3/8     |  | FLARED CONNECTION<br>ø1/2 |                  |
| DRAIN HOSE             |                     | HEAT INSULATOR O.D.           |  | CONNECTION O.D.           | EFFECTIVE LENGTH |
|                        |                     | ø1-1/4                        |  | ø1                        | 18-7/8           |
| DRAIN PIPE CONNECTION  |                     | RIGID PVC PIPE O.D. ø1 (26mm) |  |                           |                  |

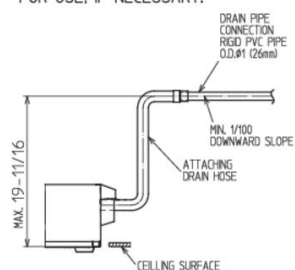
INDOOR UNIT DETAIL VIEW  
(TOP VIEW)



(FRONT VIEW)



THE METHOD FOR STANDING DRAIN FROM INDOOR UNIT  
\* CUT THE DRAIN HOSE (ACCESSORY) FOR USE, IF NECESSARY.



SUZ-AA09NLHZ-U1

REQUIRED SPACE

Unit: inch

